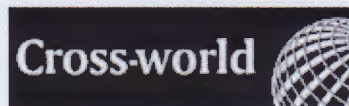


# CROSS WORLD POWER LTD

Ensuring power  
since 1982



## SALES OFFER

|                |  |
|----------------|--|
| CLIENT         | Nourish Poultry & Hatchery Ltd.                                  |
| ADDRESS        | Takia Center, House # 39, Sector # 07,<br>Uttara, Dhaka.         |
| OUR REFERENCE  | CWPL-AM/1327/17  |
| DATE           | May 17, 2017   |
| PROJECT DETAIL | SUPPLY OF 150 KVA PRIME / 165 KVA STAND BY DIESEL GENERATING SET |

|   |                            |
|---|----------------------------|
| Submitted by  | Arunangshu Paul            |
| Designation   | Manager, Sales & Marketing |
| Mobile Number   | 01755 514 747              |
| H: NE(O) 06, R: 92, Gulshan-2, Dhaka-1212   p: (880 2) 8811858, 8816528   f:<br>(880 2) 8816205   e: info@cross-world.com |                            |

# CROSS WORLD POWER LTD

## **TECHNICAL OFFER**

### **Generator Details:**

Tempest (Manufactured by Allam Marine Limited, UK) Diesel Generating Set Model: PS150 (NEW) (150KVA Prime & 165 KVA Standby) at 1500 rpm, 50 Hz, 3 phase, 4 wire, 400/230 volts at 0.8 power factor. All other details are as follows:

|   |                                |
|---|--------------------------------|
| BRAND : Tempest   | MODEL : PS150 (NEW)            |
| COUNTRY OF ORIGIN : UK  | PORT OF SHIPMENT: Any port, UK |
| CAPACITY (Prime) : 150 KVA  | CAPACITY (stand by): 165 KVA   |
| START SYSTEM : Automatic Microcontroller based as well manual Start / Stop System |                                |
| EMERGENCY STOP : Emergency Stop available as protection device                    |                                |
| VIBRATION SKID : Built-in vibration skid for smooth operation                     |                                |
| BATTERY CHARGER : Auto Battery Charger (ABC) included                             |                                |
| DIMENSION (Open Set) (cm) : 233X76X168 (LxWxH)                                    | FUEL TANK CAPACITY : 340 Liter |
| FUEL CONSUMPTION : 24.70 Ltr./Hr. at 75% Load                                     |                                |

### **Engine Details:**

|  |                                 |
|--|---------------------------------|
| BRAND/ORIGIN : Perkins, UK   | MODEL : 1106A-70TAG2            |
| SPEED : 1500 RPM   | INDUCTION SYSTEM : Turbocharged |
| ENGINE TYPE : 4 stroke multi cylinder industrial diesel Engine suitable for tropical environment |                                 |
| COOLING SYSTEM : Water cooled (Radiator cooled with engine driven fan)                           |                                 |
| PROTECTION : Over speed, under speed, oil pressure, Over heating etc                             |                                 |
| FUEL TANK : Built in with base   |                                 |

All other details are as per attached Engine catalogues.



## CROSS WORLD POWER LTD

### Alternator Details :

Industrial brushless AC Alternator model all other details are as follows:

|   |   |
|---|---|
| BRAND/ORIGIN : Stamford, UK   | Model / Frequency : UCI274F , 50 Hz           |
| PHASE : 3 Phase   | Output (Volts) : 400/415 volts (Line to line) |
| COOLING : Air cooling   | Insulation Type : Class " H "                 |
| PROTECTION : Industrial brushless design screen protected, fan ventilated, drip-proof, self exciting in accordance with IP21/IP23 |   |
| VOLTAGE REGULATOR : Automatic Voltage Regulator (AVR)   |   |
| VOLTAGE REGULATION : $\pm 1\%$ / $\pm 1.5\%$ power factor between 0.8 lagging & unity (Depends on Connected Load)                 |   |

Alternator model may vary with the attached catalogues for manufacturing innovation.

### Control Module:

Deep Sea Electronics (DSE), UK control system is incorporated with automatic set to manually & automatically start & stop the generator indicating the operation status and fault conditions via a graphical LCD display and a flashing LED on the front panel. All other details are as follows:

|                     |   |
|---------------------|---|
| CONTROL MODULE TYPE | : Auto start (AMF) digital control module   |
| OPERATION           | : Operation of the module is via push buttons mounted on the front panel with STOP, AUTO and MANUAL positions etc                                   |
| DIGITAL INSTRUMENTS | : Ammeter, Voltmeter, Frequency meter, run hour meter, Oil Pressure, Water Temperature etc.   |
| ALARM INDICATOR     | : Under/Over Volts, Under/over speed, Under/Over Frequency, Low Oil Pressure, High Engine Temperature, Fail to Start and Loss of speed sensing etc. |
| LOAD TRANSFER TIME  | : Adjustable, Delay on start 1 to 25 sec, Delay on transfer 1 to 70 sec   |
| ENGINE COOLING TIME | : 5 minutes maximum   |
| PHASE FAILUE RELAY  | : Digital option & control for Main's upper lower cut off voltage setting and adjustable hysteresis voltage, sensing option etc                     |

All other details are as per attached Allam's/DSE Catalogue

# CROSS WORLD POWER LTD

## **Automatic Transfer Switch (ATS):**

Foreign built ATS will be supplied in a suitable steel enclosure wall mounted, fuses, magnetic contactor coil, indicators etc.

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Interlocking                          | : Electrical as well as mechanical |
| Magnetic Contactor / Motorized switch | : 4 Pole                           |
| Brand of Breaker                      | : ABB or Equivalent Europe origin  |
| Paint                                 | : Powder coated                    |

## **Acoustic Canopy:**

Local built Acoustic Enclosure will reduce the sound level to 75 dBA @ 3 meter in open space and is complete with:

- Air inlet and outlet options at the alternator and radiator ends respectively.
- Hinged access doors on either side with proper locking option.
- Silencer.
- Cable entry gland apertures.

## **Standard Items:**

The following items will be supplied with the gen-set as standard:

- (i) Lead Acid Battery 12/ 24 Volts as required
- (ii) Silencer
- (iii) Rubber anti vibration mountings
- (iv) Flexible Bellows
- (v) Battery charger
- (vi) Main Line 3 pole Circuit Breaker
- (vii) Alternator mounted deep sea UK original main controlling panel
- (viii) Fuel tank for 10 hours operation
- (ix) Operational manual & keys etc.

Please note that toolbox is beyond this scope of supply.



# CROSS WORLD POWER LTD

## Warranty/Guarantee:

As per standard of manufacturer, we provide 3000 hours or 2 year warranty whichever comes first, effective from the date of delivery at the client's premises. Our warranty policy is for any manufacturing defects or any premature wear & tear due to usage. The faulty part(s) is/are replaced/repared within the warranty period. However, Warranty doesn't cover improper maintenance by the user, consumable items, servicing by unauthorized person, running the genset above it's capacity or any unauthorized modification of the genset.

## Installation & Commissioning:

The price quoted here includes Installation & Commissioning charge provided the genset is installed in Basement or at Ground Floor level within Dhaka City. However, this offer does not include the cost of commissioning materials, such as, Power/Control Cable, Lube Oil, Coolant, Diesel, Civil works, Ducting, Manual labor, Silencer pipe Extension Work & any other materials that may be necessary for installation of the generator set

Cross World Group Service Engineers will supervise all the above mentioned works. Please call Engr. Md. Rubayet Shamim, Mob. 01755 514793 for your Installation Materials list or Commissioning, or for any Emergency Service please call Engr. Tanvir Hossain, Mob. 01755 514820

## Spare parts, After Sales Service & AMC:

We maintain sufficient stock of spare parts to meet regular demands of our valued clients. After completion of warranty period, we extend our support for servicing of the generating sets at a reasonable charge by entering into a service agreement with the customers. Our service engineers are always kept ready 24x7 to attend emergency services to ensure uninterrupted power of the gen-sets. On-call service is also available to attend any types of emergencies.

## Training:

We will provide training to your operator of the Generating set after completion of commissioning.

Sincerely,

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**Arunangshu Paul**  
Manager, Sales & Marketing  
Mobile : 01755 514 747

# CROSS WORLD POWER LTD



## FINANCIAL OFFER

Nourish Poultry & Hatchery Ltd.  
Taki Center, House # 39, Sector # 07, Uttara,  
Dhaka.

DATE : May 17, 2017  
REF : CWPL-AM/1327/17F

### FINANCIAL OFFER FOR SUPPLY OF 150 KVA 3 PHASE HEAVY DUTY DIESEL GENERATING SETS.

Dear Sir,

We are pleased to submit our financial offer with reference to our technical offer# CWPL-AM/1327/17T dated May 17, 2017 :

#### 1. Price:

*Uttara House*

| SL # | Product Name  | Unit | Price (GBP) | Qty. | Total Price(GBP) |
|------|---|------|-------------|------|------------------|
| 1)   | TEMPEST Brand 150 KVA (Prime) Rating Diesel Generator with Perkins engine and Stamford alternator | Set  | 14,500.00   | 1.00 | 14,500.00        |
|      | BRAND : Tempest   |      |             |      |                  |
|      | ENGINE : Perkins, UK  |      |             |      |                  |
|      | ALTERNATOR : Stamford, UK   |      |             |      |                  |
|      | CONTROL MODULE : Deepsea, UK  |      |             |      |                  |
|      | PORT OF SHIPMENT : Felixstowe port, UK  |      |             |      |                  |
| 2)   | Foreign Auto Transfer Switch (ATS) for 150 KVA  | Pcs. | 900.00      | 1.00 | 900.00           |

Total Cost and Freight (CTG) in GBP 15,400.00

GRAND TOTAL in GBP 15,400.00

Amount in words : GBP Fifteen Thousand Four Hundred Only.

*GBP 15,400/-*

*29.5.2017*



## CROSS WORLD POWER LTD

**2. PAYMENT TERMS:** 100% payment to be made through irrevocable confirmed L/C to be opened in favour of Allam Marine Limited, Wyke Way, Melton, Hull, HU14 3BQ, England

**3. PACKING:** Export friendly 'Shrink Wrap' packing

**4. SHIPMENT:** 10 to 12 Weeks.

**5. VALIDITY:** This offer is valid for 30 days from the date of this offer.

**6. COMPLETION OF THE WORK:** Installation Commissioning and testing of the genset would be completed within 3 (three) working days from the date of delivery, provided the site and commissioning materials made ready by the client.

**7. INSTALLATION AND COMMISSIONING CHARGE:** Free of Cost Without Materials.

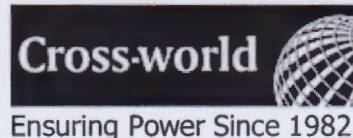
We hope the above offer is acceptable to you and we look forward to your valued work order in our favour. Should you require further information or discussion, please feel free to contact the undersigned.

Sincerely,

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**Arunangshu Paul**  
Manager, Sales & Marketing  
Mobile : 01755 514 747

# CROSS WORLD POWER LTD



## FINANCIAL OFFER

Nourish Poultry & Hatchery Ltd.  
Takia Center, House # 39, Sector # 07, Uttara,  
Dhaka.

DATE : May 28, 2017  
REF : CWPL-AM/1522/17F

### FINANCIAL OFFER FOR SUPPLY OF 150 KVA LOCAL CANOPY SETS.

Dear Sir,

We are pleased to submit our financial offer with reference to our technical offer# CWPL-AM/1522/17T dated May 28, 2017 :

#### 1. Price:

*Uttara House*

| SL # | Product Name   | Unit | Price (BDT) | Qty. | Total Price(BDT) |
|------|--|------|-------------|------|------------------|
| 1)   | Local Canopy For 150 KVA Generator. (70 dba @ 1 Meter) with <i>Paridential Syhiner</i> | Pcs. | 250,000.00  | 1.00 | 250,000.00       |

Total Price (Ready Stock) in BDT 250,000.00

GRAND TOTAL (Excluding VAT & AIT) in BDT 250,000.00

Amount in words : BDT Two Hundred and Fifty Thousand Only.

*2,00,000/=*

*W.C.*  
*27.5.2017*



## CROSS WORLD POWER LTD

**2. PAYMENT TERMS:** 1) 100% at the time of work order.

**3. DELIVERY:** Within 5 to 15 days from the date of your valued work order, subject to availability of stock

**4. VALIDITY:** This offer is valid for 30 days from the date of this offer.

We hope the above offer is acceptable to you and we look forward to your valued work order in our favour. Should you require further information or discussion, please feel free to contact the undersigned.

Sincerely,

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**Arunangshu Paul**  
Manager, Sales & Marketing  
Mobile : 01755 514 747